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**E04F 11/116**

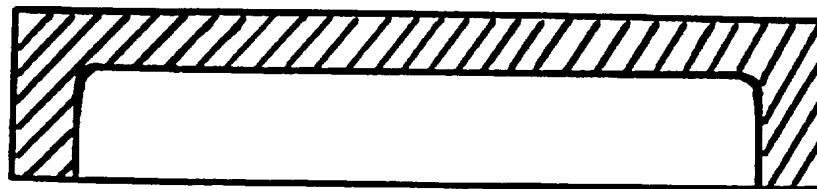
(52) UK CL (Edition O )  
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**GB 2239469 A**      **GB 0294345 A**

(58) Field of Search  
UK CL (Edition N ) **E1D DPS**  
INT CL<sup>6</sup> **E04F**

(54) **Hollow reinforced precast concrete step**

(57) A precast reinforced concrete step has depending side walls and a depending front wall to provide a hollowed-out construction to make the step lighter. It is reinforced by a one-piece steel mesh shaped as the step (Fig.5, not shown).



REAR

FIG 2

**GB 2 302 343 A**

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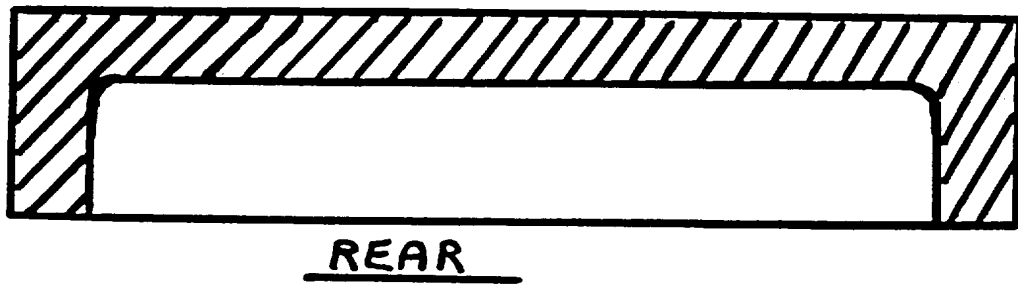
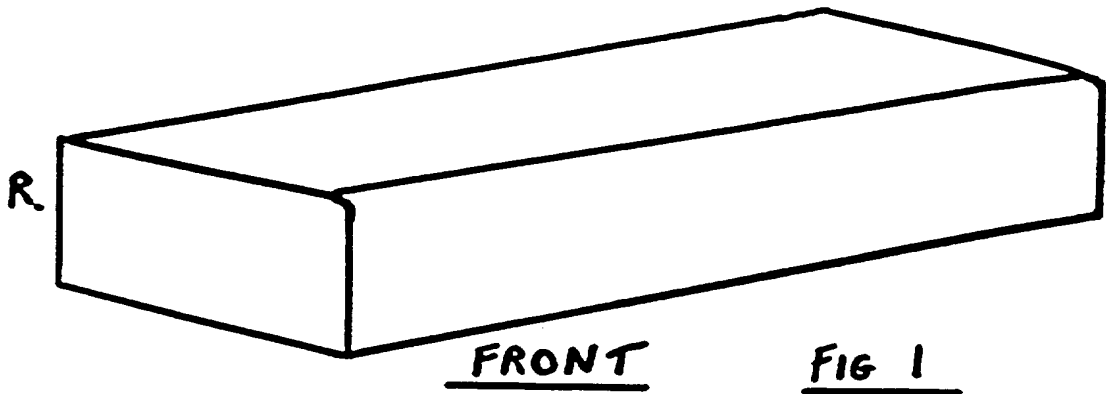
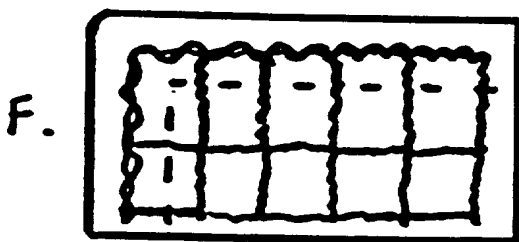


FIG 2



F.

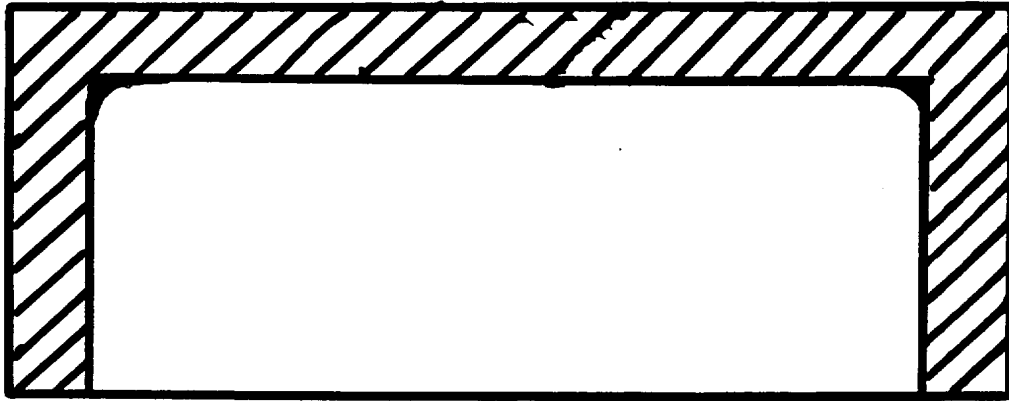
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REINFORCEMENT  
IN SECTION

FIG 3

SIDE

WITH HIDDEN DETAIL



BOTTOM

FIG 4

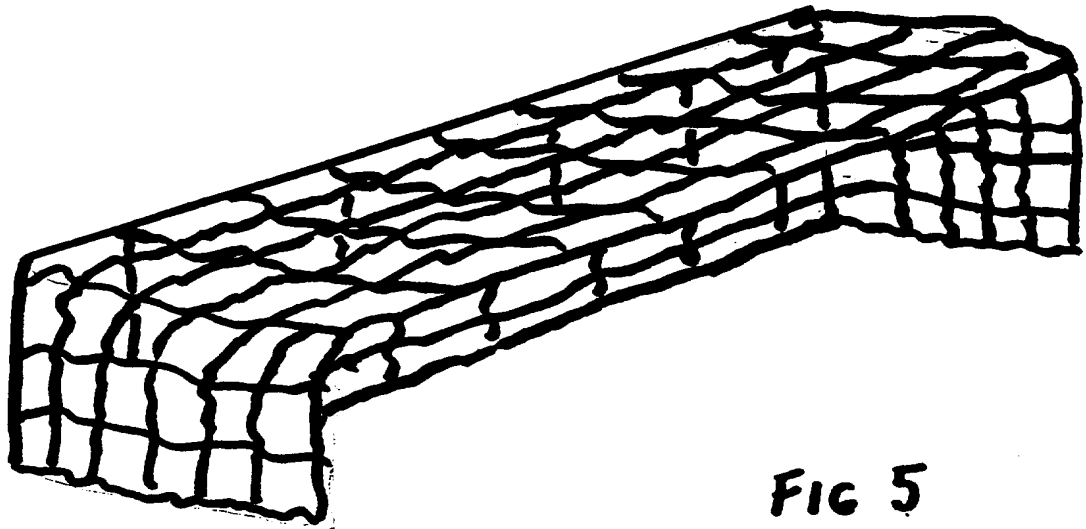


FIG 5

STEEL  
REINFORCING MESH OR ROD

HOLLOW REINFORCED PRECAST CONCRETE STEP

This invention relates to a hollow reinforced concrete step.

The steps that are used at present are of solid construction, and being of this type are very heavy and cumbersome to transport and manoeuvre.

The hollow reinforced type makes transport and manoeuvring much easier and could be lifted by any reasonably fit person.

The specific features of the invention will now be described by way of example and reference to the accompanying drawings.

Figure 1

Shows in perspective, the step from the front with slightly rounded front edge.

Figure 2

Shows rear view with hollowed out section, cross hatched lines are solid section construction.

Figure 3

Shows the side with hidden detail of the reinforcement.

Figure 4

Shows bottom of step with hollowed out section, as before cross hatched lines show solid section construction.

Figure 5

Shows the reinforcing mesh or rod construction.

CLAIMS

1. The claimed feature of the step is the hollowed out section design.
2. The other claimed feature of the step is the one piece reinforced steel mesh, which is shaped as step.

**Patents Act 1977****Examiner's report to the Comptroller under Section 17  
(the Search report)**Application number  
GB 9512165.3**Relevant Technical Fields**

(i) UK Cl (Ed.N) E1D (DES)

(ii) Int Cl (Ed.6) E04F

Search Examiner  
D LOVELLDate of completion of Search  
26 JULY 1995**Databases (see below)**

(i) UK Patent Office collections of GB, EP, WO and US patent specifications.

(ii)

Documents considered relevant  
following a search in respect of  
Claims :-  
1, 2**Categories of documents****X:** Document indicating lack of novelty or of inventive step.**P:** Document published on or after the declared priority date  
but before the filing date of the present application.**Y:** Document indicating lack of inventive step if combined with  
one or more other documents of the same category.**E:** Patent document published on or after, but with priority date  
earlier than, the filing date of the present application.**A:** Document indicating technological background and/or state  
of the art.**&:** Member of the same patent family; corresponding document.

Category	Identity of document and relevant passages	Relevant to claim(s)
X, Y	GB 2239469 A (BATTLEFIELD PROPERTIES)	X: 1 Y: 2
Y	GB 294345 (CONCRETE LTD) note Figure 6 and description	2

**Databases:** The UK Patent Office database comprises classified collections of GB, EP, WO and US patent specifications as outlined periodically in the Official Journal (Patents). The on-line databases considered for search are also listed periodically in the Official Journal (Patents).

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**EUR-CL (EPC):** E04F011/14

**ABSTRACT:**

ABSTRACT DATA NOT AVAILABLE